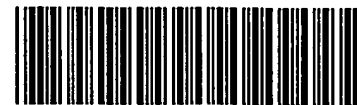


RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/582,292
Source: IFWP
Date Processed by STIC: 06/19/2006

ENTERED



IFWP

RAW SEQUENCE LISTING

DATE: 06/19/2006

PATENT APPLICATION: US/10/582,292

TIME: 12:19:48

Input Set : E:\211080037P1.SEQ.TXT

Output Set: N:\CRF4\06192006\J582292.raw

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4 <110> APPLICANT: University of Rochester
6   Chang, Chawnshang
8 <120> TITLE OF INVENTION: Non-androgen Dependent Roles for
9   Androgen Receptor and Non-androgen Related Inhibitors of
10  Androgen Receptor
12 <130> FILE REFERENCE: 21108.0037P1
C--> 14 <140> CURRENT APPLICATION NUMBER: US/10/582,292
C--> 15 <141> CURRENT FILING DATE: 2006-06-12
17 <150> PRIOR APPLICATION NUMBER: 60/529,011
18 <151> PRIOR FILING DATE: 2003-12-12
20 <160> NUMBER OF SEQ ID NOS: 23
22 <170> SOFTWARE: FastSEQ for Windows Version 4.0
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 585
26 <212> TYPE: PRT
27 <213> ORGANISM: Artificial Sequence
29 <220> FEATURE:
30 <223> OTHER INFORMATION: Description of Artificial Sequence:/note =
31   synthetic construct
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35 1          5          10          15
36 Ala Ile Ser Ala Val Val Asp Asn Tyr Ile Arg Ser Arg Arg Asp Ile
37          20          25          30
38 Arg Ser Leu Pro Glu Asn Ile Gln Phe Asp Val Tyr Tyr Lys Leu Tyr
39          35          40          45
40 Gln Gln Gly Arg Leu Cys Gln Leu Gly Ser Glu Phe Cys Glu Leu Glu
41          50          55          60
42 Val Phe Ala Lys Val Leu Arg Ala Leu Asp Lys Arg His Leu Leu His
43 65          70          75          80
44 His Cys Phe Gln Ala Leu Met Asp His Gly Val Lys Val Ala Ser Val
45          85          90          95
46 Leu Ala Tyr Ser Phe Ser Arg Arg Cys Ser Tyr Ile Ala Glu Ser Asp
47          100         105         110
48 Ala Ala Val Lys Glu Lys Ala Ile Gln Val Gly Phe Val Leu Gly Gly
49          115         120         125
50 Phe Leu Ser Asp Ala Gly Trp Tyr Ser Asp Ala Glu Lys Val Phe Leu
51          130         135         140
52 Ser Cys Leu Gln Leu Cys Thr Leu His Asp Glu Met Leu His Trp Phe
53 145         150         155         160
54 Arg Ala Val Glu Cys Cys Val Arg Leu Leu His Val Arg Asn Gly Asn
55          165         170         175
56 Cys Lys Tyr His Leu Gly Glu Glu Thr Phe Lys Leu Ala Gln Thr Tyr

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RAW SEQUENCE LISTING

DATE: 06/19/2006

PATENT APPLICATION: US/10/582,292

TIME: 12:19:48

Input Set : E:\211080037P1.SEQ.TXT

Output Set: N:\CRF4\06192006\J582292.raw

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57          180          185          190
58 Met Asp Lys Leu Ser Lys His Gly Gln Gln Ala Asn Lys Ala Ala Leu
59          195          200          205
60 Tyr Gly Glu Leu Cys Ala Leu Leu Phe Ala Lys Ser His Tyr Asp Glu
61          210          215          220
62 Ala Tyr Lys Trp Cys Ile Glu Ala Met Lys Glu Ile Thr Ala Gly Leu
63 225          230          235          240
64 Pro Val Lys Val Val Val Asp Val Leu Arg Gln Ala Ser Lys Ala Cys
65          245          250          255
66 Val Val Lys Arg Glu Phe Lys Lys Ala Glu Gln Leu Ile Lys His Ala
67          260          265          270
68 Val Tyr Leu Ala Arg Asp His Phe Gly Ser Lys His Pro Lys Tyr Ser
69          275          280          285
70 Asp Thr Leu Leu Asp Tyr Gly Phe Tyr Leu Leu Asn Val Asp Asn Ile
71          290          295          300
72 Cys Gln Ser Val Ala Ile Tyr Gln Ala Ala Leu Asp Ile Arg Gln Ser
73 305          310          315          320
74 Val Phe Gly Gly Lys Asn Ile His Val Ala Thr Ala His Glu Asp Leu
75          325          330          335
76 Ala Tyr Ser Ser Tyr Val His Gln Tyr Ser Ser Gly Lys Phe Asp Asn
77          340          345          350
78 Ala Leu Phe His Ala Glu Arg Ala Ile Gly Ile Ile Thr His Ile Leu
79          355          360          365
80 Pro Glu Asp His Leu Leu Leu Ala Ser Ser Lys Arg Val Lys Ala Leu
81          370          375          380
82 Ile Leu Glu Glu Ile Ala Ile Asp Cys His Asn Lys Glu Thr Glu Gln
83 385          390          395          400
84 Arg Leu Leu Gln Glu Ala His Asp Leu His Leu Ser Ser Leu Gln Leu
85          405          410          415
86 Ala Lys Lys Ala Phe Gly Glu Phe Asn Val Gln Thr Ala Lys His Tyr
87          420          425          430
88 Gly Asn Leu Gly Arg Leu Tyr Gln Ser Met Arg Lys Phe Lys Glu Ala
89          435          440          445
90 Glu Glu Met His Ile Lys Ala Ile Gln Ile Lys Glu Gln Leu Leu Gly
91          450          455          460
92 Gln Glu Asp Tyr Glu Val Ala Leu Ser Val Gly His Leu Ala Ser Leu
93 465          470          475          480
94 Tyr Asn Tyr Asp Met Asn Gln Tyr Glu Asn Ala Glu Lys Leu Tyr Leu
95          485          490          495
96 Arg Ser Ile Ala Ile Gly Lys Lys Leu Phe Gly Glu Gly Tyr Ser Gly
97          500          505          510
98 Leu Glu Tyr Asp Tyr Arg Gly Leu Ile Lys Leu Tyr Asn Ser Ile Gly
99          515          520          525
100 Asn Tyr Glu Lys Val Phe Glu Tyr His Asn Val Leu Ser Asn Trp Asn
101          530          535          540
102 Arg Leu Arg Asp Arg Gln Tyr Ser Val Thr Asp Ala Leu Glu Asp Val
103 545          550          555          560
104 Ser Thr Ser Pro Gln Ser Thr Glu Glu Val Val Gln Ser Phe Leu Ile
105          565          570          575

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TIME: 12:19:48

Input Set : E:\211080037P1.SEQ.TXT

Output Set: N:\CRF4\06192006\J582292.raw

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106 Ser Gln Asn Val Glu Gly Pro Ser Cys
107           580                      585
109 <210> SEQ ID NO: 2
110 <211> LENGTH: 1758
111 <212> TYPE: DNA
112 <213> ORGANISM: Artificial Sequence
114 <220> FEATURE:
115 <223> OTHER INFORMATION: Description of Artificial Sequence:/note =
116     synthetic construct
118 <400> SEQUENCE: 2
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120 gtcgtggaca actacatccg ctcccgccga gacatccgct ccttgcccga gaacatccag      120
121 tttgatgttt actacaagct ttaccaacag ggacgcttat gtcaactggg cagtgaattt      180
122 tgtgaattgg aagtttttgc taaagtactg agagctttgg ataaaagaca tttgcttcat      240
123 cattgttttc aggctttgat ggatcatggt gttaaagttg cttcagttct ggcctactca      300
124 ttcagtaggc ggtgctctta tatagcagaa tcagatgctg cagtaaagga aaaagccatt      360
125 caggttggct ttgttttagg tggctttctt tcagatgcag gctggtagag tgatgctgag      420
126 aaagtttttc tgtcctgcct tcagtttgtt actctacacg atgagatgct tcattggttt      480
127 cgtgcagtag aatgttttgt gaggttgctt catgtgcgaa atggaaactg caaatatcat      540
128 ttgggtgaag aaacatttaa attagctcag acatatatgg ataaactatc aaaacatggc      600
129 cagcaagcaa ataaagctgc actctatgga gaactgtgtg cactcctatt tgcaaaaagt      660
130 cactatgatg aggcatacaa atggtgcacg gaggcaatga aagaaattac agcaggctta      720
131 ccagtgaag tttgtggtgga tgtcttaaga caagcttcta aggcttggtg agtaaaacgt      780
132 gaatttaaga aggcagaaca gttaattaaa catgcagtggt atttggcacg ggatcatttt      840
133 ggatccaaac acccaaaata ttctgataca ctgctagatt atgggttcta cttactcaat      900
134 gtagataata tctgtcagtc tgttgcaatt tatcaggcag cccttgacat tagacagtca      960
135 gtgtttggtg gcaaaaatat ccacgtagca acagctcatg aagatttggc ctactcttct      1020
136 tatgtccacc agtatagctc tgggaaattt gacaatgcac tatttcatgc agaaagagct      1080
137 attggtatca ttaccacat cctacctgaa gatcatcttc ttttggtctc ttcaaagagg      1140
138 gtgaaagcac ttattttaga ggagattgca attgattgtc ataataagga aactgaacag      1200
139 aggtgcttcc aagaagctca tgatttgcac ctgtcttcac tccaactagc taaaaaagct      1260
140 tttggggaat ttaatgtaca gactgcaaaa cactatggaa accttggaag actttatcag      1320
141 tcaatgagaa aatttaagga agctgaagaa atgcacatca aagcaattca gattaaagaa      1380
142 caacttcttg gtcaagaaga ttatgaagta gccctttcag tgggacatct ggcttcttta      1440
143 tataattatg acatgaatca gtatgaaaat gctgagaaac tttatttgcg atctatagca      1500
144 attgggaaga aacttttttg tgagggctac agtggactag aatatgatta tcgaggtctc      1560
145 attaaacttt acaactccat tggaaattac gagaaagtgt ttgaatatca caatgttctg      1620
146 tctaactgga accggttgcg agatcggcaa tattcagtgag cagatgctct tgaagatgtc      1680
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149                               1758
150 <210> SEQ ID NO: 3
151 <211> LENGTH: 919
152 <212> TYPE: PRT
153 <213> ORGANISM: Artificial Sequence
155 <220> FEATURE:
156 <223> OTHER INFORMATION: Description of Artificial Sequence:/note =
157     synthetic construct
159 <400> SEQUENCE: 3
160 Met Glu Val Gln Leu Gly Leu Gly Arg Val Tyr Pro Arg Pro Pro Ser

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RAW SEQUENCE LISTING

DATE: 06/19/2006

PATENT APPLICATION: US/10/582,292

TIME: 12:19:48

Input Set : E:\211080037P1.SEQ.TXT

Output Set: N:\CRF4\06192006\J582292.raw

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161 1          5          10          15
162 Lys Thr Tyr Arg Gly Ala Phe Gln Asn Leu Phe Gln Ser Val Arg Glu
163          20          25          30
164 Val Ile Gln Asn Pro Gly Pro Arg His Pro Glu Ala Ala Ser Ala Ala
165          35          40          45
166 Pro Pro Gly Ala Ser Leu Leu Leu Leu Gln Gln Gln Gln Gln Gln Gln
167          50          55          60
168 Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Glu Thr
169 65          70          75          80
170 Ser Pro Arg Gln Gln Gln Gln Gln Gly Glu Asp Gly Ser Pro Gln
171          85          90          95
172 Ala His Arg Arg Gly Pro Thr Gly Tyr Leu Val Leu Asp Glu Glu Gln
173          100          105          110
174 Gln Pro Ser Gln Pro Gln Ser Ala Leu Glu Cys His Pro Glu Arg Gly
175          115          120          125
176 Cys Val Pro Glu Pro Gly Ala Ala Val Ala Ala Ser Lys Gly Leu Pro
177          130          135          140
178 Gln Gln Leu Pro Ala Pro Pro Asp Glu Asp Asp Ser Ala Ala Pro Ser
179 145          150          155          160
180 Thr Leu Ser Leu Leu Gly Pro Thr Phe Pro Gly Leu Ser Ser Cys Ser
181          165          170          175
182 Ala Asp Leu Lys Asp Ile Leu Ser Glu Ala Ser Thr Met Gln Leu Leu
183          180          185          190
184 Gln Gln Gln Gln Gln Glu Ala Val Ser Glu Gly Ser Ser Ser Gly Arg
185          195          200          205
186 Ala Arg Glu Ala Ser Gly Ala Pro Thr Ser Ser Lys Asp Asn Tyr Leu
187          210          215          220
188 Gly Gly Thr Ser Thr Ile Ser Asp Asn Ala Lys Glu Leu Cys Lys Ala
189 225          230          235          240
190 Val Ser Val Ser Met Gly Leu Gly Val Glu Ala Leu Glu His Leu Ser
191          245          250          255
192 Pro Gly Glu Gln Leu Arg Gly Asp Cys Met Tyr Ala Pro Leu Leu Gly
193          260          265          270
194 Val Pro Pro Ala Val Arg Pro Thr Pro Cys Ala Pro Leu Ala Glu Cys
195          275          280          285
196 Lys Gly Ser Leu Leu Asp Asp Ser Ala Gly Lys Ser Thr Glu Asp Thr
197          290          295          300
198 Ala Glu Tyr Ser Pro Phe Lys Gly Gly Tyr Thr Lys Gly Leu Glu Gly
199 305          310          315          320
200 Glu Ser Leu Gly Cys Ser Gly Ser Ala Ala Ala Gly Ser Ser Gly Thr
201          325          330          335
202 Leu Glu Leu Pro Ser Thr Leu Ser Leu Tyr Lys Ser Gly Ala Leu Asp
203          340          345          350
204 Glu Ala Ala Ala Tyr Gln Ser Arg Asp Tyr Tyr Asn Phe Pro Leu Ala
205          355          360          365
206 Leu Ala Gly Pro Pro Pro Pro Pro Pro Pro Pro His Pro His Ala Arg
207          370          375          380
208 Ile Lys Leu Glu Asn Pro Leu Asp Tyr Gly Ser Ala Trp Ala Ala Ala
209 385          390          395          400

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RAW SEQUENCE LISTING

DATE: 06/19/2006

PATENT APPLICATION: US/10/582,292

TIME: 12:19:48

Input Set : E:\211080037P1.SEQ.TXT

Output Set: N:\CRF4\06192006\J582292.raw

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210 Ala Ala Gln Cys Arg Tyr Gly Asp Leu Ala Ser Leu His Gly Ala Gly
211          405          410          415
212 Ala Ala Gly Pro Gly Ser Gly Ser Pro Ser Ala Ala Ala Ser Ser Ser
213          420          425          430
214 Trp His Thr Leu Phe Thr Ala Glu Glu Gly Gln Leu Tyr Gly Pro Cys
215          435          440          445
216 Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly
217          450          455          460
218 Gly Gly Gly Gly Gly Gly Gly Gly Glu Ala Gly Ala Val Ala Pro Tyr
219 465          470          475          480
220 Gly Tyr Thr Arg Pro Gln Gly Leu Ala Gly Gln Glu Ser Asp Phe
221          485          490          495
222 Thr Ala Pro Asp Val Trp Tyr Pro Gly Gly Met Val Ser Arg Val Pro
223          500          505          510
224 Tyr Pro Ser Pro Thr Cys Val Lys Ser Glu Met Gly Pro Trp Met Asp
225          515          520          525
226 Ser Tyr Ser Gly Pro Tyr Gly Asp Met Arg Leu Glu Thr Ala Arg Asp
227          530          535          540
228 His Val Leu Pro Ile Asp Tyr Tyr Phe Pro Pro Gln Lys Thr Cys Leu
229 545          550          555          560
230 Ile Cys Gly Asp Glu Ala Ser Gly Cys His Tyr Gly Ala Leu Thr Cys
231          565          570          575
232 Gly Ser Cys Lys Val Phe Phe Lys Arg Ala Ala Glu Gly Lys Gln Lys
233          580          585          590
234 Tyr Leu Cys Ala Ser Arg Asn Asp Cys Thr Ile Asp Lys Phe Arg Arg
235          595          600          605
236 Lys Asn Cys Pro Ser Cys Arg Leu Arg Lys Cys Tyr Glu Ala Gly Met
237          610          615          620
238 Thr Leu Gly Ala Arg Lys Leu Lys Lys Leu Gly Asn Leu Lys Leu Gln
239 625          630          635          640
240 Glu Glu Gly Glu Ala Ser Ser Thr Thr Ser Pro Thr Glu Glu Thr Thr
241          645          650          655
242 Gln Lys Leu Thr Val Ser His Ile Glu Gly Tyr Glu Cys Gln Pro Ile
243          660          665          670
244 Phe Leu Asn Val Leu Glu Ala Ile Glu Pro Gly Val Val Cys Ala Gly
245          675          680          685
246 His Asp Asn Asn Gln Pro Asp Ser Phe Ala Ala Leu Leu Ser Ser Leu
247          690          695          700
248 Asn Glu Leu Gly Glu Arg Gln Leu Val His Val Val Lys Trp Ala Lys
249 705          710          715          720
250 Ala Leu Pro Gly Phe Arg Asn Leu His Val Asp Asp Gln Met Ala Val
251          725          730          735
252 Ile Gln Tyr Ser Trp Met Gly Leu Met Val Phe Ala Met Gly Trp Arg
253          740          745          750
254 Ser Phe Thr Asn Val Asn Ser Arg Met Leu Tyr Phe Ala Pro Asp Leu
255          755          760          765
256 Val Phe Asn Glu Tyr Arg Met His Lys Ser Arg Met Tyr Ser Gln Cys
257          770          775          780
258 Val Arg Met Arg His Leu Ser Gln Glu Phe Gly Trp Leu Gln Ile Thr

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VERIFICATION SUMMARY

DATE: 06/19/2006

PATENT APPLICATION: US/10/582,292

TIME: 12:19:49

Input Set : E:\211080037P1.SEQ.TXT

Output Set: N:\CRF4\06192006\J582292.raw

L:14 M:270 C: Current Application Number differs, Replaced Current Application Number

L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date